

FIG.3(a)

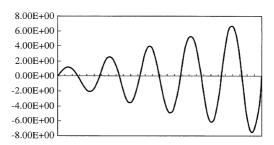


FIG.3(b)

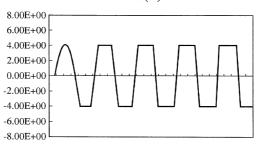
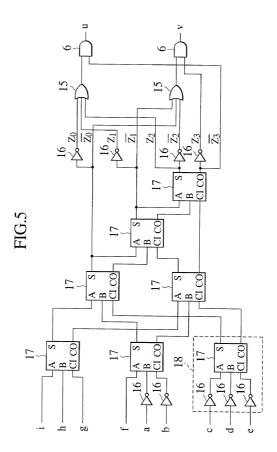
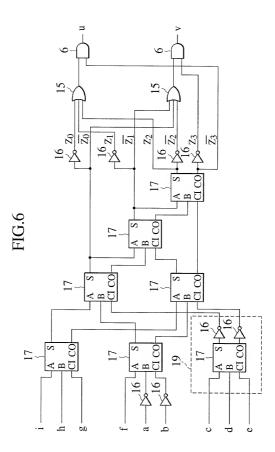
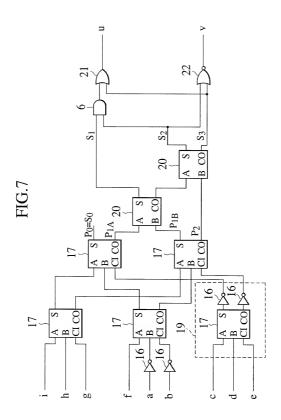


FIG 7

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Z3 Z2 Z1 Z0
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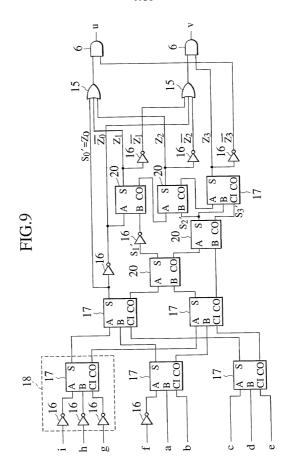




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CONDITION		OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW			OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW
SIGN		+	+	+	+	+	1	ŀ	1	1	1
Z=4-S	0	(4)	(3)	(2)	(1)	(0)	(-1)	(-2)	(-3)	(-4)	(-5)
M	Z Z	0	_	0 1	0 1	0 (1 1	0 1) 1	0 (1
E SI	77	_	0	0	0	0	1	1	1	1	0
TRU	Z3 Z2 Z1 Z0	0	0	0	0	0	-	-	_	-	
INTERMEDIATE SUM S' TRUE SUM Z=4-S'		((((_		
E		(0)	[=	(2)	(3)	(4)	(5)	(9)	(7)	(8)	6
DIA	S3′S2′S1′S0′	0	-	0	1	0 0	-	0	-	0	-
ME	, S1	0	0	-	Т	0	0	-	_	0	0
TER	, S2	0	0	0	0	_	-	-	_	0	0
Z	S3	0	0	0	0	0	0	0	0		-



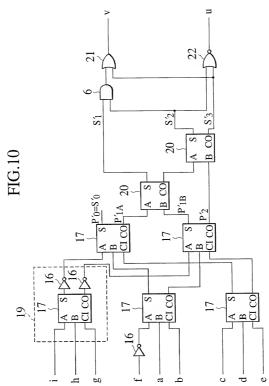
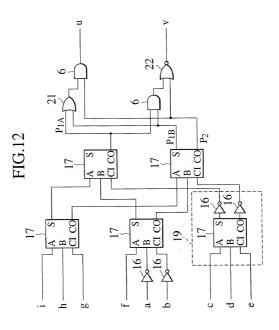


FIG. 11

CONDITION	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW					OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW
SIGN	-	1	1	1	1	1	1	+	1	+	+	+	+	+	+	+
TRUE SUM Z=S-5	1011 (-5)	1100 (-4)	1101 (-3)	11110 (-2)	1101 (-3)	11110 (-2)	1111 (-1)	(0) 0000	1111 (-1)	(0) 0000	0001 (1)	0010 (2)	0001 (1)	0010 (2)	0011 (3)	0100 (4)
INTERMEDIATE SUM S	(0) 0000	0001 (1)	0 0 1 0 (2)	0 0 1 1 (3)	0010 (2)	0 0 1 1 (3)	0100 (4)	0101 (5)	0100 (4)	0101 (5)	0110 (6)	0 1 1 1 (7)	0110 (6)	01111 (7)	1000 (8)	1001 (9)
DUNDANT BINARY	0 0 0 0			0 1 1	1 0 0		1 1 0		0 0 0		0 1 0	0 1 1	0 0	1	1 0	
Z 8	2 0	0					0					1	1	1	<u> </u>	1



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CONDITION		OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW					OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW
SIGN		+	+	+	+	+	+	+	1	+	1	1	ŀ	1	1	-	1
TRUE SUM Z=4-S'		0100 (4)	0011 (3)	0010 (2)	0001 (1)	0010 (2)	0001 (1)	(0) 0000	1111 (-1)	(0) 0000	1111 (-1)	11110 (-2)	1101 (-3)	11110 (-2)	1101 (-3)	1100 (-4)	1011 (-5)
INTERMEDIATE SUM S'		(0) 0000	0001 (1)	0010 (2)	0 0 1 1 (3)	0010 (2)	0 0 1 1 (3)	0100 (4)	0 1 0 1 (5)	0100 (4)	0 1 0 1 (5)	0110 (6)	01111 (7)	0 1 1 0 (6)	01111 (7)	1000 (8)	1001 (9)
IN.	P2' P1B' P1A' P0'	0	ī	0	1	0	-	0	1	0		0	1	0	-	0	-
DUNDA	, P1A	0	0	1	-	0	0	-	-	0	0	-	-	0	0	-	-
REDUNDANT BINARY	P1B'	0	0	0	0	-	-	-	-	0	0	0	0	-	-	-	-
	P2'	0	0	0	0	0	0	0	0	_	_	-	-	-	-	-	-

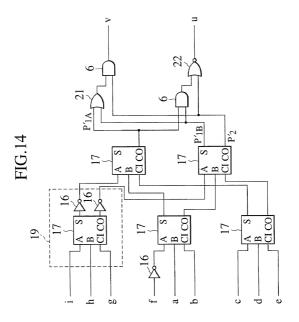


FIG.15

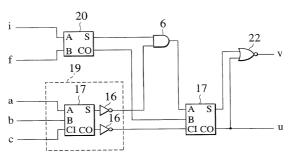


FIG.16

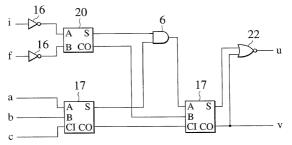
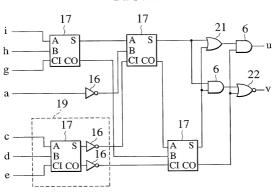
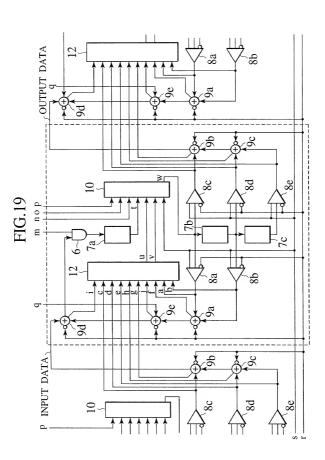


FIG.17





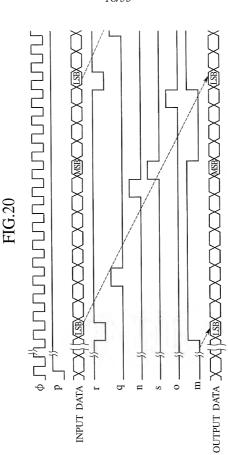
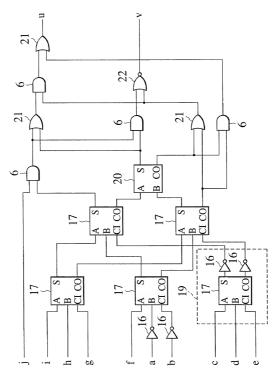
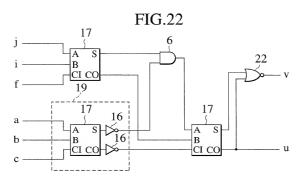
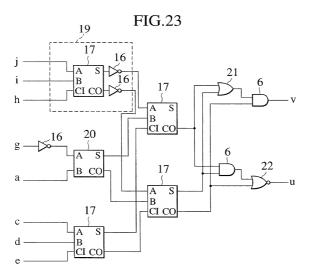
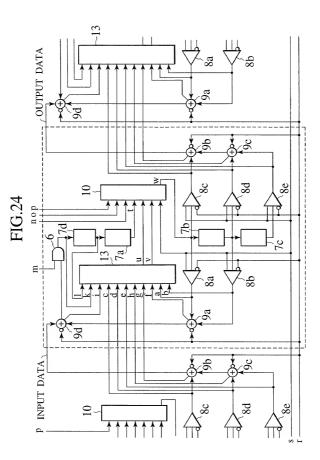


FIG.21



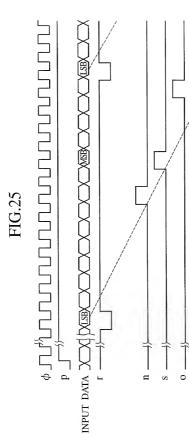


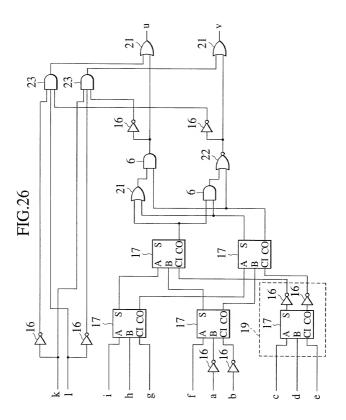




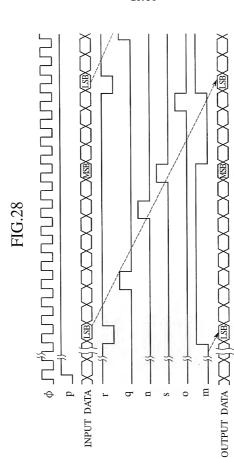
OUTPUT DATA XXX XXXX

H

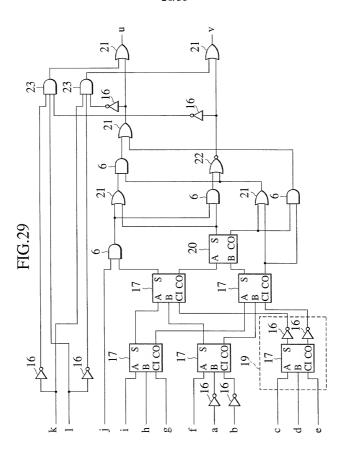




OUTPUT DATA <u>√</u>8 se 8e $n \circ p$ FIG.27 INPUT DATA **3**6 $\frac{1}{8}$



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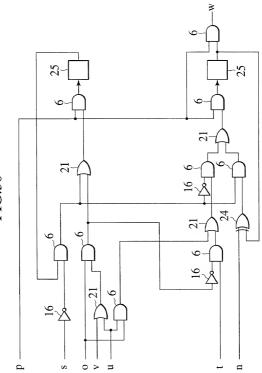


FIG.30

 χ_2 FIG.31 $^{\times}_{4}$ X5 R S

FIG.32

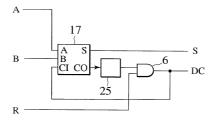


FIG.33

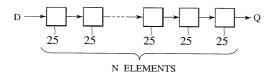


FIG.34

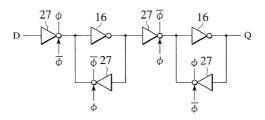


FIG.35

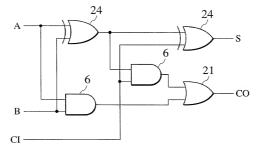


FIG.36

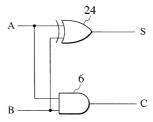


FIG.37

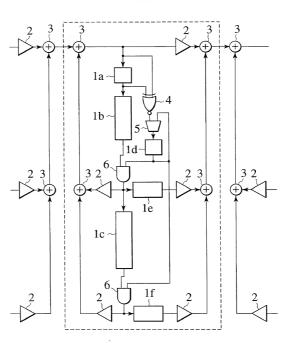


FIG.38

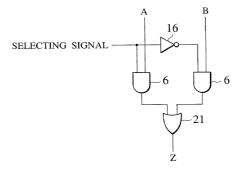


FIG.39(a)

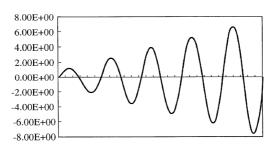


FIG.39(b)

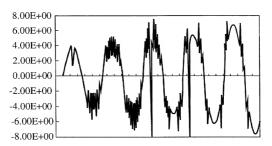


FIG.40(a)

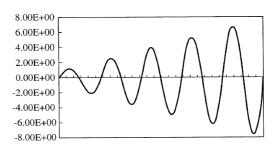


FIG.40(b)

